



#### Kissimmee Upper Basin and Kissimmee River

- Snail Kites continue to nest in the Upper Basin
- Apple snail studies are being conducted in Lake Kissimmee
- Conditions are typical on the restored river for this time of year
- Wading bird densities have started their summer decline





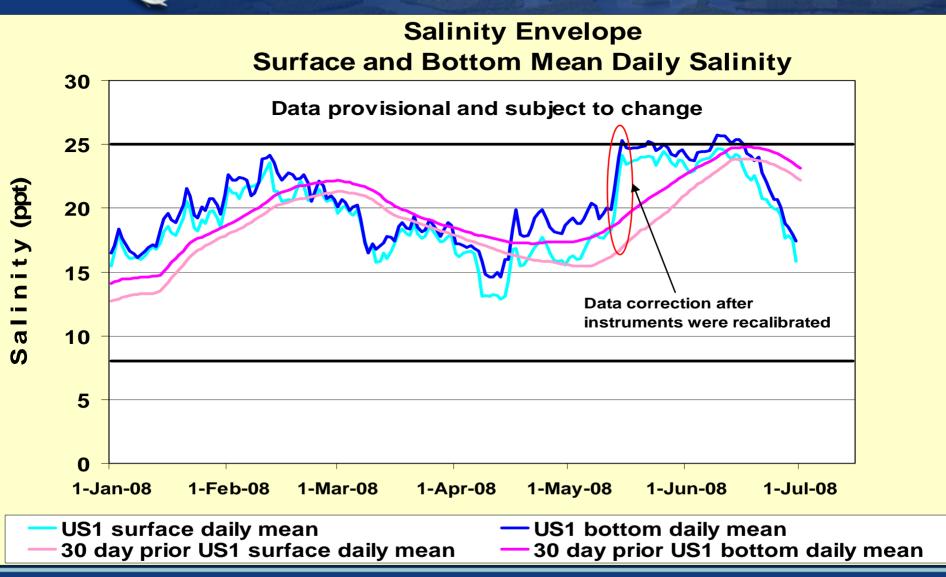
# Muck Scraping at Horse Island in Lake Okeechobee





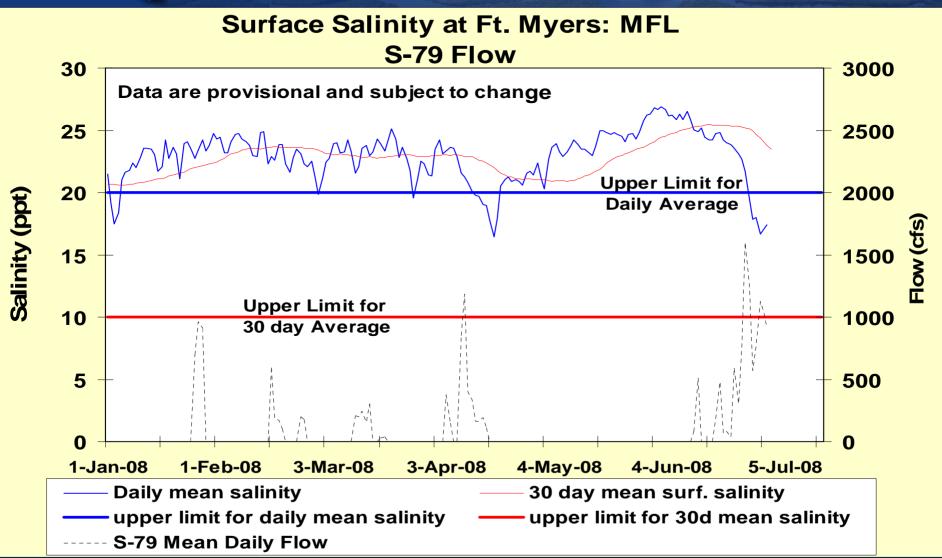


### St. Lucie Estuary Salinity: US 1 Bridge





### Caloosahatchee Salinity: Ft. Myers





## Tape Grass Planting and Algae Blooms in the Caloosahatchee River (C-43)

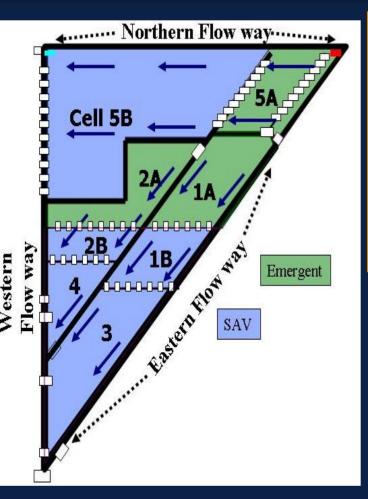
- Plants Survived Low Light Conditions
  During the Blue Green Algae Bloom
- Plant Blades are 15-90 cm in Length
- Within Cages Aerial Coverage is 60 – 100%







# STA-1 West Rehabilitation Update: Vegetation Condition



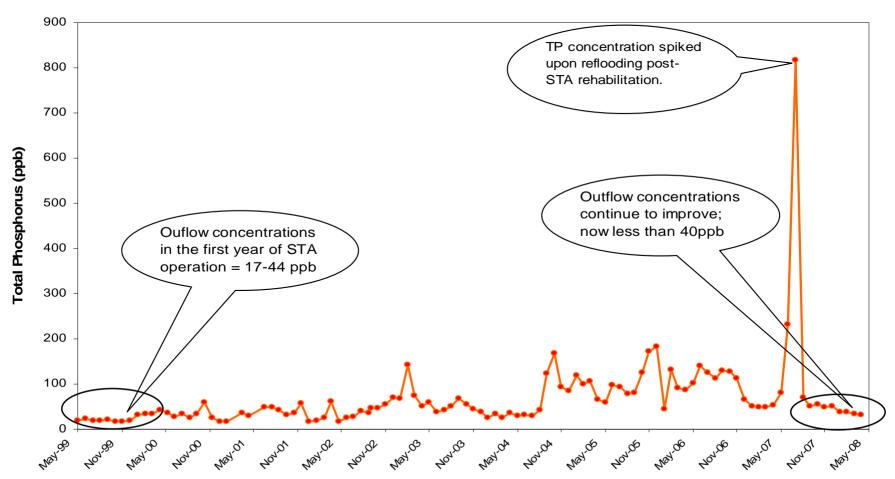


Cell 4 one year after rehabilitation



### STA-1 West Performance After 2007 Rehabilitation

#### STA-1W Outflow (G-251 and G310) Flow-weighted Mean Total Phosphorus Concentration (Most recent 3 months may contain preliminary data.)





### Black-Necked Stilts Nesting in STAs

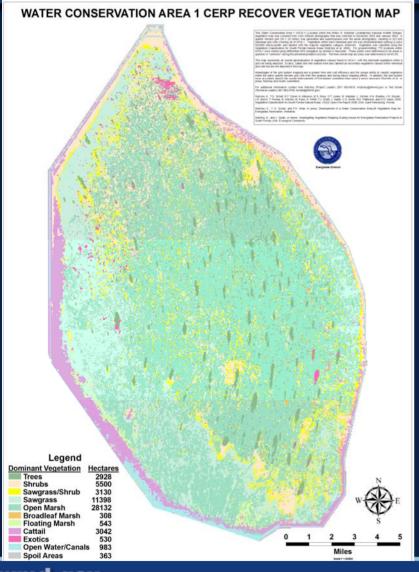
#### **Typical Stilt Nest**

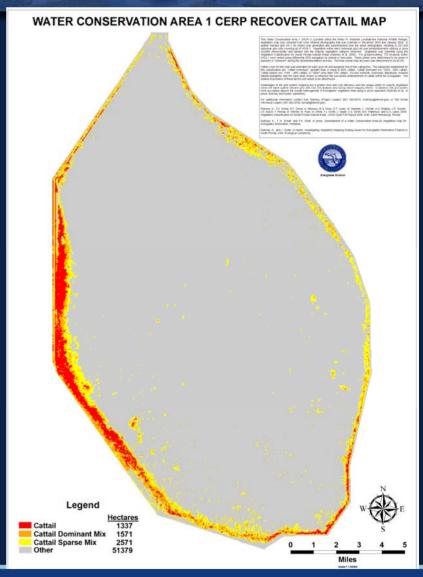
- Stilt nesting is complete
- No water was sent to tide
- No untreated water was sent to the Everglades





## New Water Conservation Area 1 Vegetation Map







### Wading Bird Nesting Success and Water Levels

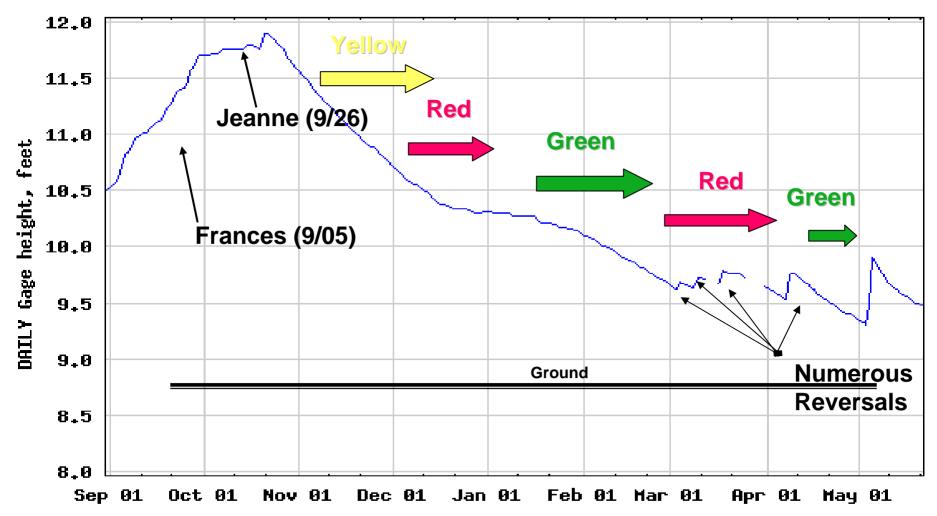
- Nesting success is tied to both the water depth and rate of decline in water level
- Slow declines in water levels concentrate food for the birds
- Too fast a decline in water level can lead to fish kills
- "Reversals" or upward trends during nesting make foraging more difficult

SOUTH FLORIDA WATER MANAGEMENT DISTRICT



## Hydrologic Recession Trends (09/04-05/06) in Central-WCA-3A

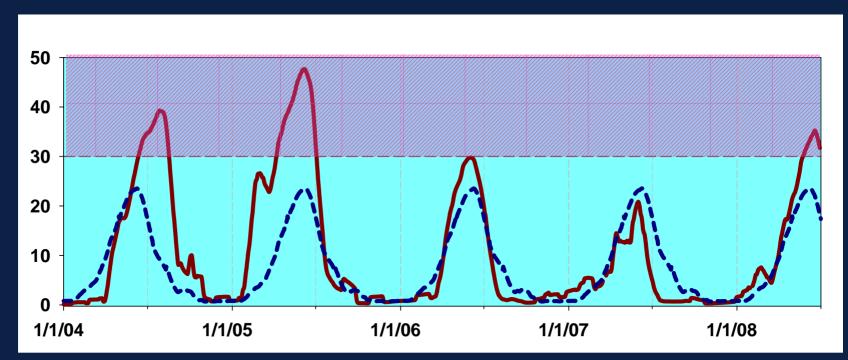
#### SGS 255828080401301 SITE 64 IN CONSERVATION AREA 3A NR COOPERTOWN F





# Tracking salinity in mangrove ponds for Florida Bay MFL criteria





Daily value at Taylor River – red line

Long-term mean (WY97 – 07) – dashed line

